

BOON JEFFERSON S. BRIGOLI

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SUMMARY

Resourceful and detail-oriented Software Developer with strong experience in Python, Java, and Android development. Skilled in building RESTful APIs using FastAPI and creating responsive, user-focused applications. With hands-on experience in both solo and team-based projects. Passionate about solving real-world problems through clean, maintainable code and modular architecture. Currently expanding expertise in ethical hacking and cybersecurity through CTF participation and red team tools.

CERTIFICATE

InnoVa Hackathon – National ICT Month: KERNEL 2024 ICT EXPO

June 2024

[Certificate](#)

- Achieved **2nd Place** among regional participants.
- Collaborated in a team to develop a working prototype addressing a local ICT challenge.

NASA International Space Apps Challenge

Oct 2024

[Certificate](#)

[Certificate](#)

- Participated as part of a multidisciplinary team in a global hackathon.
- Earned the **“Galactic Problem Solver”** certificate for innovative contribution.

PROJECT

BioVision (Android App + FastAPI Backend)

Nov 2024 - Feb 2025

- Created a plant disease identification system using image capture and AI Machine Learning
- Has the capability to identify plant species, assess its health, diagnose potential diseases, and plantcare tips

Hazard PH (Android App)

March 2025 - Present

- Developed a geolocation-based alert system to notify users entering hazard-prone areas.
- Displays Healthcare Facilities, Police Stations, Fire Stations in the Philippines
- Shows hazard map; fault lines, landslide areas, volcanoes
- Displays Hazard News Report
- Emergency distress call feature

Streamify-io (Web App)

Sept 2022 - Present

- A free user-friendly movie streaming website
- Clean and simple user interface - makes it easier to navigate
- Built with Vanilla js, HTML, CSS

EDUCATION

BS Information Technology

Central Mindanao University — University Town, Musuan, Maramag, Bukidnon

TECH STACK

Programming Languages



Python



Java



JavaScript



PHP



Kotlin

Frameworks



Laravel



ReactJS

Deployment



Vercel



Netlify

Development Kits



Firebase



Mapbox

Development Environments



Android Studio



VS Code



IntelliJ Idea

Databases



MySQL



MongoDB



SQLite

Version Control



Git



Github

Testing & Security



Postman



GitGuardian